

Abstract:

Gas filter, process for producing a gas filter and use of this gas filter

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A gas filter, a process for producing a gas filter and the use of the gas filter are claimed. The filtration of gases, in particular of gases which are contaminated by solids, e.g. automobile exhaust gases, is difficult 10 since the solids which have been filtered out block the filter over the course of time. The gas filter of the invention can be used over relatively long periods of time since it is regenerable.

- 15 The improvement achieved by the invention compared to conventional gas filters is that the filter comprises a composite material which can be heated in a simple manner by application of a voltage to the electrically conductive support material of the composite material 20 and thermally decomposable substances which can block the filter can be decomposed.

The filter of the invention can be used wherever gases which are contaminated by thermally decomposable solids 25 have to be cleaned.